

FILE 'HOME' ENTERED AT 14:26:41 ON 28 SEP 2008

| | | |
|----------------------|------------|---------|
| => file reg | | |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 14:27:22 ON 28 SEP 2008
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 26 SEP 2008 HIGHEST RN 1053621-88-7
 DICTIONARY FILE UPDATES: 26 SEP 2008 HIGHEST RN 1053621-88-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdnoc/properties.html>

=> s ?cyclovir
 LEFT TRUNCATION IGNORED FOR FILE 'REGISTRY'
 L1 46 CYCLOVIR
 Left truncation is not valid in the specified search field in the specified file. The term has been searched without left truncation. Examples: '?TERPEN?' would be searched as 'TERPEN?' and '?FLAVONOID' would be searched as 'FLAVONOID.'

If you are searching in a field that uses implied proximity, and you used a truncation symbol after a punctuation mark, the system may interpret the truncation symbol as being at the beginning of a term. Implied proximity is used in search fields indexed as single words, for example, the Basic Index.

| | | |
|--|------------|---------|
| => file medicine | | |
| FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED | | |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 5.61 | 5.82 |

FILE 'ADISCTI' ENTERED AT 14:27:35 ON 28 SEP 2008
 COPYRIGHT (C) 2008 Adis Data Information BV

FILE 'ADISINSIGHT' ENTERED AT 14:27:35 ON 28 SEP 2008
 COPYRIGHT (C) 2008 Adis Data Information BV

FILE 'ADISNEWS' ENTERED AT 14:27:35 ON 28 SEP 2008

COPYRIGHT (C) 2008 Adis Data Information BV

FILE 'BIOSIS' ENTERED AT 14:27:35 ON 28 SEP 2008
Copyright (c) 2008 The Thomson Corporation

FILE 'BIOTECHNO' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'CAPLUS' ENTERED AT 14:27:35 ON 28 SEP 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'DDFB' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 THOMSON REUTERS

FILE 'DDFU' ACCESS NOT AUTHORIZED

FILE 'DGENE' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 THOMSON REUTERS

FILE 'DISSABS' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 ProQuest Information and Learning Company; All Rights Reserved.

FILE 'DRUGB' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 THOMSON REUTERS

FILE 'DRUGMONO2' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 IMSWORLD Publications Ltd

FILE 'DRUGU' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 THOMSON REUTERS

FILE 'EMBAL' ENTERED AT 14:27:35 ON 28 SEP 2008
Copyright (c) 2008 Elsevier B.V. All rights reserved.

FILE 'EMBASE' ENTERED AT 14:27:35 ON 28 SEP 2008
Copyright (c) 2008 Elsevier B.V. All rights reserved.

FILE 'ESBIOBASE' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'IFIPAT' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 IFI CLAIMS(R) Patent Services (IFI)

FILE 'IMSDRUGNEWS' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 IMSWORLD Publications Ltd

FILE 'IMSPRODUCT' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 IMSWORLD Publications Ltd

FILE 'IPA' ENTERED AT 14:27:35 ON 28 SEP 2008
Copyright (c) 2008 The Thomson Corporation

FILE 'KOSMET' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 International Federation of the Societies of Cosmetics Chemists

FILE 'LIFESCI' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 Cambridge Scientific Abstracts (CSA)

FILE 'MEDLINE' ENTERED AT 14:27:35 ON 28 SEP 2008

FILE 'NAPRALERT' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 Board of Trustees of the University of Illinois,
University of Illinois at Chicago.

FILE 'NLDB' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 Gale Group. All rights reserved.

FILE 'NUTRACEUT' ENTERED AT 14:27:35 ON 28 SEP 2008
Copyright 2008 (c) MARKETLETTER Publications Ltd. All rights reserved.

FILE 'PASCAL' ENTERED AT 14:27:35 ON 28 SEP 2008
Any reproduction or dissemination in part or in full,
by means of any process and on any support whatsoever
is prohibited without the prior written agreement of INIST-CNRS.
COPYRIGHT (C) 2008 INIST-CNRS. All rights reserved.

FILE 'PCTGEN' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 WIPO

FILE 'PHARMAML' ENTERED AT 14:27:35 ON 28 SEP 2008
Copyright 2008 (c) MARKETLETTER Publications Ltd. All rights reserved.

FILE 'PHIC' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 Informa UK Ltd.

FILE 'PHIN' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 Informa UK Ltd.

FILE 'SCISEARCH' ENTERED AT 14:27:35 ON 28 SEP 2008
Copyright (c) 2008 The Thomson Corporation

FILE 'TOXCENTER' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USGENE' ENTERED AT 14:27:35 ON 28 SEP 2008
COPYRIGHT (C) 2008 SEQUENCEBASE CORP

FILE 'USPATFULL' ENTERED AT 14:27:35 ON 28 SEP 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 14:27:35 ON 28 SEP 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 14:27:35 ON 28 SEP 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

```
=> s ll or ?cyclovir
LEFT TRUNCATION IGNORED FOR FILE 'ADISINSIGHT'
LEFT TRUNCATION IGNORED FOR FILE 'ADISNEWS'
LEFT TRUNCATION IGNORED FOR FILE 'DDFB'
LEFT TRUNCATION IGNORED FOR FILE 'DGENE'
LEFT TRUNCATION IGNORED FOR FILE 'DRUGB'
LEFT TRUNCATION IGNORED FOR FILE 'DRUGMONOG2'
LEFT TRUNCATION IGNORED FOR FILE 'DRUGU'
LEFT TRUNCATION IGNORED FOR FILE 'ESBIOBASE'
LEFT TRUNCATION IGNORED FOR FILE 'IMSDRUGNEWS'
LEFT TRUNCATION IGNORED FOR FILE 'IPA'
```


=> d 17 1-5 ibib, kwic

L7 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:670138 CAPLUS <<LOGINID::20080928>>
 DOCUMENT NUMBER: 147:102133
 TITLE: Compositions and methods for treating dermatological conditions
 INVENTOR(S): Zhang, Jie; Warner, Kevin S.; Sharma, Sanjay
 PATENT ASSIGNEE(S): Zars, Inc., USA
 SOURCE: PCT Int. Appl., 74pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 18
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|--|----------|-----------------|----------|
| WO 2007070643 | A2 | 20070621 | WO 2006-US47747 | 20061214 |
| WO 2007070643 | A3 | 20080508 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | |
| RW: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA | | | |
| AU 2006326388 | A1 | 20070621 | AU 2006-326388 | 20061214 |
| AU 2006339350 | A1 | 20070907 | AU 2006-339350 | 20061214 |
| EP 195929 | A2 | 20080827 | EP 2006-847657 | 20061214 |
| R: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS | | | |
| EP 1968541 | A2 | 20080917 | EP 2006-849969 | 20061214 |
| R: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS | | | |

PRIORITY APPLN. INFO.:
 US 2005-750465P P 20051214
 US 2005-750522P P 20051214
 US 2005-750524P P 20051214
 US 2005-750637P P 20051214
 US 2005-750521P P 20051214
 WO 2006-US47747 W 20061214
 WO 2006-US48059 W 20061214

AB . . . drug which can treat various dermatol. conditions, such as a bacterial infection, a virus infection, a fungal infection, alopecia, dermatitis, psoriasis, or photodamaged skin. The formulation can include a drug, a solvent vehicle, and a solidifying agent. The solvent vehicle can. . . after at least a portion of the volatile solvent system is evaporated. Thus, an adhesive solidifying formulation was prepared containing acyclovir 3%, ethanol 21%, Eudragit RL-PO 15%, isostearic acid 31%, and trolamine 30%. The formulation provided significant penetration of the active. . . skin, which was greater than the marketed Zovirax cream. The combination of isostearic acid and trolamine enhanced the flux of acyclovir. The formulation

showed a sustained delivery of acyclovir for up to 8 h. It is reasonable to assume based on the drug load and the continued presence of the non-volatile solvent that the delivery of acyclovir would continue at the reported flux values for as long as the subject desires to leave the adhesive solidifying formulation. . .

- IT 50-03-3, Hydrocortisone acetate 50-23-7, Hydrocortisone 50-70-4, Sorbitol, biological studies 52-01-7, Spirolactone 54-42-2, Idoxuridine 56-81-5, Glycerol, biological studies 56-81-5D, Glycerol, fatty acid esters 57-13-6, Urea, biological studies 57-15-8, Chlorobutanol 57-55-6, Propylene glycol, biological studies 57-55-6D, Propylene glycol, fatty acid esters 60-29-7, Diethyl ether, biological studies 60-54-8, Tetracycline 64-17-5, Ethanol, biological studies 65-85-0, Benzoic acid, biological studies 67-56-1, Methanol, biological studies 67-63-0, Isopropanol, biological studies 67-64-1, Acetone, biological studies 67-68-5, Dimethyl sulfoxide, biological studies 67-73-2, Fluocinolone acetonide 67-97-0, Vitamin D3 68-12-2, Dimethylformamide, biological studies 69-65-8, Mannitol 70-00-8, Trifluiridine 71-23-8, Propanol, biological studies 71-36-3, Butanol, biological studies 72-17-3, Sodium lactate 74-98-6, Propane, biological studies 75-37-6, 1,1-Difluoroethane 76-25-5, Triamcinolone acetonide 77-86-1, Tromethamine 77-93-0, Triethyl citrate 78-93-3, Methyl ethyl ketones, biological studies 79-10-7D, Acrylic acid, derivs. 79-41-4, Methacrylic acid, biological studies 79-41-4D, Methacrylic acid, derivs., polymers 84-66-2, Diethyl phthalate 87-99-0, Xylitol 96-33-3, Methyl acrylate 97-00-7, Dinitrochlorobenzene 97-53-0, Eugenol 97-59-6, Allantoin 98-79-3, Pyroglutamic acid 100-51-6, Benzyl alcohol, biological studies 102-60-3, Neutrol TE 102-71-6, Trolamine, biological studies 102-76-1, Triacetin 104-46-1, p-Propenylanisole 104-55-2, Cinnamaldehyde 106-69-4, 1,2,6-Hexanetriol 106-97-8, Butane, biological studies 107-21-1, Ethylene glycol, biological studies 108-05-4, Vinyl acetate, biological studies 108-95-2, Phenol, biological studies 109-43-3, Dibutyl sebacate 109-66-0, Pentane, biological studies 110-16-7D, Maleic acid, copolymers 110-27-0, Isopropyl myristate 110-40-7, Diethyl sebacate 110-54-3, Hexane, biological studies 110-97-4, Diisopropanol amine 111-02-4, Squalene 111-42-2, Diethanolamine, biological studies 111-62-6, Ethyl oleate 111-90-0, Diethylene glycol monoethyl ether 112-38-9D, Undecylenic acid, derivs. 112-72-1, Myristyl alcohol 112-80-1, Oleic acid, biological studies 114-07-8, Erythromycin 115-10-6, Dimethyl ether 115-11-7, Isobutene, biological studies 120-40-1, Lauric diethanolamide 120-51-4, Benzyl benzoate 123-39-7, N-Methylformamide 123-92-2, Isoamyl acetate 126-07-8, Griseofulvin 131-11-3, Dimethyl phthalate 138-86-3, Limonene 141-78-6, Ethyl acetate, biological studies 142-91-6, Isopropyl palmitate 143-28-2, Oleyl alcohol 149-32-6, Erythrit 151-41-7, Lauryl sulfate 294-40-6, Cyclopentasiloxane 302-79-4, Tretinoin 356-12-7, Fluocinonide 382-67-2, Desoximethasone 431-89-0, 1,1,1,2,3,3-Heptafluoropropane 515-98-0, Ammonium lactate 518-28-5, Podofilox 585-86-4, Lactitol 585-88-6, Maltitol 638-94-8, Desonide 646-06-0D, Dioxolane, alkyl derivs. 661-19-8, Behenyl alcohol 676-46-0, Sodium malate 690-39-1, 1,1,1,3,3,3-Hexafluoropropane 768-94-5, Amantadine 777-11-7, Haloprogin 811-97-2, 1,1,1,2-Tetrafluoroethane 872-50-4, N-Methylpyrrolidone, biological studies 886-38-4, Diphenylcyclopropanone 996-31-6, Potassium lactate 1143-38-0, Anthralin 1314-13-2, Zinc oxide, biological studies 1320-51-0, Hydroxyethyl urea 1338-39-2, Sorbitan monolaurate 1338-43-8, Sorbitan monooleate 1397-89-3, Amphotericin B 1400-61-9, Nystatin 1404-04-2, Neomycin 1404-26-8, Polymyxin B 1405-87-4, Bacitracin 1406-18-4, Vitamin E 1524-88-5, Flurandrenolide 1984-15-2, Medronic acid 2002-29-1, Flumethazone pivalate 2152-44-5, Betamethasone valerate 2398-96-1, Tolnaftate

2892-62-8, Squaric acid dibutyl ester 3056-17-5, Stavudine 3093-35-4, Halcinonide 4070-80-8, 4759-48-2, Isotretinoin 5306-85-4, Dimethyl isosorbide 5593-20-4, Betamethasone dipropionate 6283-92-7, Lauryl lactate 7481-89-2, Zalcitabine 7681-93-8, Pimaricin 7732-18-5, Water, biological studies 8011-96-9, Calamine 9000-07-1, Carrageenan 9000-30-0, Guar gum 9000-40-2, Locust bean gum 9002-88-4D, Polyethylene, oxidized 9002-89-5, Polyvinyl alcohol 9003-01-4 9003-20-7, Polyvinyl acetate 9003-39-8, Polyvinylpyrrolidone 9003-70-7, Divinylbenzene-styrene copolymer 9004-32-4, Carboxymethyl cellulose sodium 9004-34-6, Cellulose, biological studies 9004-35-7 9004-38-0, Cellulose acetate phthalate 9004-53-9, Dextrin 9004-57-3, Ethyl cellulose 9004-62-0, Hydroxyethyl cellulose 9004-64-2, Hydroxypropyl cellulose 9004-65-3, Hydroxypropyl methyl cellulose 9004-67-5, Methyl cellulose 9004-81-3, Polyethylene glycol laurate 9004-95-9 9004-96-0, Polyethylene glycol oleate 9004-99-3, PEG stearate 9005-00-9 9005-07-6, Polyethylene glycol dioleate 9005-25-8, Starch, biological studies 9005-63-4, Polyoxyethylene sorbitan 9005-63-4D, Polyethylene glycol sorbitan, fatty acid esters 9005-67-8 9006-65-9, Dimethicone 9011-16-9, Maleic anhydride-methyl vinyl ether copolymer 9011-16-9D, Maleic anhydride-vinyl methyl ether copolymer, esters 9011-21-6, PEG glyceryl stearate 9063-89-2, PEG-octyl phenyl ether 11138-66-2, Xanthan gum 12441-09-7D, Sorbitan, fatty acid esters 12650-69-0, Mupirocin 13392-28-4, Rimantadine 13609-67-1, Hydrocortisone butyrate 14807-96-6, Talc, biological studies 16057-43-5, 2-[2-(Octadecyloxy)ethoxy]ethanol 16325-47-6 18323-44-9, Clindamycin 22916-47-8, Miconazole 23593-75-1, Clotrimazole 24937-78-8, Ethylene-vinyl acetate copolymer 24938-16-7, Dimethylaminoethyl methacrylate-butyl methacrylate-methyl methacrylate copolymer 25013-16-5, Butylated hydroxyanisole 25087-26-7, Poly(methacrylic acid) 25122-41-2, Clobetasol 25122-46-7, Clobetasol propionate 25212-88-8, Methacrylic acid-ethyl acrylate copolymer 25265-71-8, Dipropylene glycol 25265-75-2, Butylene glycol 25322-68-3, Polyethylene glycol 25322-68-3D, PEG, alkyl ethers and fatty acid esters 25322-69-4, Polypropylene glycol 25395-31-7, Diacetin 25496-72-4, Glycerol monooleate 25608-33-7, Butyl methacrylate-methyl methacrylate copolymer 25618-55-7, Polyglycerol 26266-57-9, Sorbitan monopalmitate 26446-35-5, Monoacetin 27214-38-6, Glyceryl monomyristate 27220-47-9, Eiconazole 28874-51-3 30399-84-9, Isostearic acid 30516-87-1, Zidovudine 31694-55-0D, triesters with fatty acids 32222-06-3, Calcitriol 33434-24-1, Ethyl acrylate-methyl methacrylate-trimethylammonioethyl methacrylate chloride copolymer 33434-24-1 33564-31-7, Diflorasone diacetate 34513-50-3, Octyldodecanol 36653-82-4, Cetyl alcohol 36791-04-5, Ribavirin 37321-65-6, Propylene glycol stearate 37353-59-6, Hydroxymethyl cellulose 38304-91-5, Minoxidil 39809-25-1, Penciclovir 41621-49-2, Cyclopiroxolamine 51022-69-6, Amcinonide 53237-50-6 54182-62-6, Polacrilin 54578-91-5, Gantrez ES 425 56275-01-5 57107-95-6 57333-96-7, Tacalcitol 57524-89-7, Hydrocortisone valerate 59227-89-3, Azone 59277-89-3 , Acyclovir 59865-13-3, Cyclosporin 61318-90-9, Sulconazole 64211-45-6, Oxiconazole 64519-82-0, Isomalt 64872-76-0, Butoconazole 65277-42-1, Ketoconazole 65472-88-0, Naftifine 65899-73-2, Tioconazole 66734-13-2, Alclometasone dipropionate 66852-54-8, Halobetasol propionate 67352-02-7 67915-31-5, Terconazole 68424-04-4, Polydexrose 69655-05-6, Didanosine 75537-01-8, Gantrez S 97 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses) (solidifying adhesive compns. for treating dermatol. conditions)

IT 78474-45-0, Plastol B 78613-35-1, Amorolfine 80474-14-2, Fluticasone propionate 82410-32-0, Gancyclovir 83919-23-7, Mometasone furoate 84625-61-6, Itraconazole 85721-33-1, Ciprofloxacin 86386-73-4, Fluconazole 91161-71-6, Terbinafine 98319-26-7,

Finasteride 99011-02-6, Imiquimod 101828-21-1, Butenafine
 104227-87-4, Famciclovir 104987-11-3, Tacrolimus 106392-12-5,
 Poloxamer 112965-21-6, Calcipotriol 113852-37-2, Cidofovir
 118292-40-3, Tazarotene 121854-68-0 124832-26-4,
Valacyclovir 127779-20-8, Saquinavir 129618-40-2, Nevirapine
 134678-17-4, Lamivudine 135668-52-9, Dermacryl 79 136470-78-5,
 Abacavir 136817-59-9, Delavirdine 137071-32-0, Picrolimus
 137234-62-9, Voriconazole 139110-80-8, Zanamivir 143780-36-3, Ethylene
 glycol-vinyl alcohol copolymer 145687-02-1, Pemulen TR 2 150378-17-9,
 Indinavir 154598-52-4, Efavirenz 155213-67-5, Ritonavir 158820-14-5
 159989-64-7, Nelfinavir 161814-49-9, Amprenavir 162808-62-0,
 Caspofungin 166663-25-8, Anidulafungin 171228-49-2, Posaconazole
 171664-79-2, Lactic acid-L-lactic acid copolymer 182760-06-1,
 Ravuconazole 195868-36-1, Phenyl trimethicone 196618-13-0, Oseltamivir
 227755-70-6 235114-32-6, Micafungin 357263-71-9, Honey Quat 50
 855659-57-3
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (solidifying adhesive compns. for treating dermatol. conditions)

L7 ANSWER 2 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2004:109827 USPATFULL <LOGINID::20080928>
 TITLE: Compositions and methods for treating inflammatory
 diseases of the skin
 INVENTOR(S): Rothbard, Jonathan B., Cupertino, CA, United States
 Wender, Paul A., Menlo Park, CA, United States
 McGrane, P. Leo, Mountain View, CA, United States
 Sista, Lalitha V. S., Sunnyvale, CA, United States
 Kirschberg, Thorsten A., Mountain View, CA, United
 States
 PATENT ASSIGNEE(S): CellGate, Inc., Sunnyvale, CA, United States (U.S.
 corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 6730293 | B1 | 20040504 |
| APPLICATION INFO.: | US 2000-645689 | | 20000824 (9) |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 1999-150510P | 19990824 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | GRANTED | |
| PRIMARY EXAMINER: | Webman, Edward J. | |
| LEGAL REPRESENTATIVE: | Townsend and Townsend and Crew LLP | |
| NUMBER OF CLAIMS: | 23 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 31 Drawing Figure(s); 23 Drawing Page(s) | |
| LINE COUNT: | 2967 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB . . . as hydrocortisone, cyclosporin and FK506 across into and across
 one or more layers of the skin for the treatment of psoriasis
 and other inflammatory diseases of the skin.
 DETD . . . limited to, azole antifungals such as itraconazole, myconazole
 and fluconazole. Examples of antiviral agents include, but are not
 limited to, acyclovir, famciclovir, and valacyclovir
 . Such agents are useful for treating viral diseases, e.g., herpes.
 IT 51-21-8, 5 Fluorouracil 58-08-2, Caffeine, biological studies
 60-54-8D, Tetracycline, derivs. 65-45-2, Salicylamide 69-53-4,
 Ampicillin 69-72-7, Salicylic acid, biological studies 100-33-4,
 Pentamidine 110-86-1D, Pyridine, trifluoro derivs., biological studies

147-85-3, Proline, biological studies 1403-66-3, Gentamicin
 1406-05-9, Penicillin 1406-18-4, Vitamin e 9004-10-8, Insulin,
 biological studies 11000-17-2, Vasopressin 11111-12-9, Cephalosporin
 16110-51-3, Cromolyn 22916-47-8, Miconazole 57014-02-5, Eel
 calcitonin 58822-25-6, Leucine enkephalin 59277-89-3,
 Acyclovir 69049-73-6, Nedocromil 79217-60-0, Cyclosporin
 82410-32-0, Ganciclovir 84625-61-6, Itraconazole 86386-73-4,
 Fluconazole

(comps. and methods for enhancing drug delivery across and into
 epithelial tissues)

L7 ANSWER 3 OF 5 MEDLINE on STN
 ACCESSION NUMBER: 2004070493 MEDLINE <<LOGINID::20080928>>
 DOCUMENT NUMBER: PubMed ID: 14872168
 TITLE: Drug approval highlights for 2003.
 AUTHOR: Laustsen Gary; Wimett Lynn
 CORPORATE SOURCE: Regis University, Denver, Colorado, USA.
 SOURCE: The Nurse practitioner, (2004 Feb) Vol. 29, No. 2, pp.
 8-15, 19-21; quiz 21-3. Ref: 28
 Journal code: 7603663. ISSN: 0361-1817.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals; Nursing Journals
 ENTRY MONTH: 200404
 ENTRY DATE: Entered STN: 12 Feb 2004
 Last Updated on STN: 1 May 2004
 Entered Medline: 30 Apr 2004

AB . . . hormone therapy), Uroxatral (for benign prostatic hypertrophy),
 Levitra (for erectile dysfunction), Flumist (for preventing influenza),
 Xolair (for asthma), Raptiva (for psoriasis), Cubicin (for skin
 infections), Crestor (for hypercholesterolemia), and Coreg (for severe
 heart failure).

CT Check Tags: Female; Male
*Acyclovir: AA, analogs & derivatives
Acyclovir: TU, therapeutic use
 *Cardiovascular Agents: TU, therapeutic use
 Cardiovascular Diseases: DT, drug therapy
 *Dermatologic Agents: TU, therapeutic use
 *Drug. . .

RN 124832-27-5 (valacyclovir); 5633-20-5 (oxybutynin);
59277-89-3 (Acyclovir); 7004-03-7 (Valine)

L7 ANSWER 4 OF 5 TOXCENTER COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:114970 TOXCENTER <<LOGINID::20080928>>
 COPYRIGHT: Copyright (c) 2008 The Thomson Corporation
 DOCUMENT NUMBER: 41-09588
 TITLE: Drug approval highlights for 2003
 AUTHOR(S): Laustsen, G; Wimett, L
 SOURCE: Nurse Practitioner (USA), (2004) Vol. 29, pp.
 8-11,14-15,19-21. 28 Refs.
 CODEN: NRPRDJ. ISSN: 0361-1817.
 DOCUMENT TYPE: Journal
 FILE SEGMENT: IPA
 OTHER SOURCE: IPA 2004:9587
 LANGUAGE: English
 ENTRY DATE: Entered STN: 25 May 2004
 Last Updated on STN: 25 May 2004

AB. . . hormone therapy), Uroxatral (for benign prostatic hypertrophy),

Levitra (for erectile dysfunction), Flumist (for preventing influenza), Xolair (for asthma), Raptiva (for psoriasis), Cubicin (for skin infections), Crestor (for hypercholesterolemia), and Coreg (for severe heart failure).

ST Miscellaneous Descriptors

Oxybutynin; urinary incontinence
Valacyclovir; Herpes zoster
 Alfuzosin; prostatic hyperplasia
 Vardenafil; impotence
 Influenza vaccines; approvals
 Efalizumab; psoriasis
 Daptomycin; staphylococcal infections
 Carvedilol; heart failure
 Omalizumab; asthma
 Rosuvastatin calcium; hypercholesterolemia
 Estradiol diacetate; postmenopause
 Urinary incontinence; oxybutynin
 Parasympatholytic agents; oxybutynin
 Herpes zoster; valacyclovir
 Antivirals; valacyclovir
 Prostatic hyperplasia; alfuzosin
 Sympatholytic agents; alfuzosin
 Impotence; vardenafil
 Vasodilating agents; vardenafil
 Influenza; immunization
 Immunization; influenza
 Vaccines; influenza
 Immunomodulating agents; efalizumab
 Psoriasis; efalizumab
 Staphylococcal infections; daptomycin
 Antibiotics; daptomycin
 Heart failure; carvedilol
 Cardiac drugs; carvedilol
 Asthma; . . .

RN 5633-20-5 (Oxybutynin)
 124832-26-4 (Valacyclovir)
 81403-80-7 (Alfuzosin)
 224785-90-4 (Vardenafil)
 (Influenza vaccines)
 214745-43-4 (Efalizumab)
 103060-53-3 (Daptomycin)
 72956-09-3 (Carvedilol)
 242138-07-4 (Omalizumab)
 147098-20-2 (Rosuvastatin calcium)
 3434-88-6 (Estradiol diacetate)

CN Oxybutynin (Oxytrol); Omalizumab (Xolair); Valacyclovir
 (Valtrex); Alfuzosin (Uroxatral); Vardenafil (Levitra); Rosuvastatin
 calcium (Crestor); Estradiol diacetate (Femring); Carvedilol (Coreg);
 Influenza vaccines (FluMist); Efalizumab (Raptiva); Daptomycin (Cubicin)

L7 ANSWER 5 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:214302 USPATFULL <<LOGINID::20080928>>

TITLE: Antimicrobial and anti-inflammatory peptides

INVENTOR(S): McNicol, Patricia J., Vancouver, CANADA

Pawlak, Sonia K., Vancouver, CANADA

Rubinchik, Evelina, Richmond, CANADA

Cameron, Dale, Richmond, CANADA

Guarna, Maria Marta, Vancouver, CANADA

PATENT ASSIGNEE(S): MICROLOGIX BIOTECH INC., Vancouver, CANADA, V6S 2L2
 (non-U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 20030148945 | A1 | 20030807 |
| APPLICATION INFO.: | US 2002-229368 | A1 | 20020826 (10) |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 2001-315003P | 20010824 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092 | |
| NUMBER OF CLAIMS: | 25 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 2 Drawing Page(s) | |
| LINE COUNT: | 2380 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB . . . peptides are cationic peptides. The peptides are useful for the treatment of inflammatory diseases, such as microorganism-caused infections, acne, and psoriasis. The peptides and peptide formulations may be used topically or parenterally.

DETD . . . also be used in combination with anti-viral agents. Exemplary anti-viral agents include, but are not limited to, amantadine hydrochloride, rimantadin, acyclovir, famciclovir, foscarnet, ganciclovir sodium, idoxuridine, ribavirin, sorivudine, trifluoridine, valacyclovir, vidarabin, didanosine, stavudine, zalcitabine, zidovudine, interferon alpha, and edoxudine.

=> s acyclovir

L8 63066 ACYCLOVIR

=> d his

(FILE 'HOME' ENTERED AT 14:26:41 ON 28 SEP 2008)

FILE 'REGISTRY' ENTERED AT 14:27:22 ON 28 SEP 2008

L1 46 S ?CYCLOVIR

FILE 'ADISCTI, ADISINSIGHT, ADISNEWS, BIOSIS, BIOTECHNO, CAPLUS, DDFB, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ESBIODASE, IFIPAT, IMSDRUGNEWS, IMSPRODUCT, IPA, KOSMET, LIFESCI, MEDLINE, NAPRALERT, NLDB, NUTRACEUT, PASCAL, PCTGEN, PHARMAML, ...' ENTERED AT 14:27:35 ON 28 SEP 2008

L2 108103 S L1 OR ?CYCLOVIR

L3 99157 S PSORIASIS/AB

L4 127 S L2 AND L3

L5 5458 S VALACYCLOVIR

L6 5 S L4 AND L5

L7 5 DUP REM L6 (0 DUPLICATES REMOVED)

L8 63066 S ACYCLOVIR

=> s l8 and l4

L9 74 L8 AND L4

=> s l9 and <20020809

MISSING TERM 'AND <20020809'

The search profile that was entered contains a logical operator followed immediately by another operator.

=> s 19 and <2002

MISSING TERM 'AND <2002'

The search profile that was entered contains a logical operator followed immediately by another operator.

=> s 19 <20020809

NUMERIC EXPRESSION NOT VALID 'L225 <20020809'

Numeric search expressions contain an operator (=,>,<,<=>), a field qualifier, and the number or a range to be searched. Examples of valid expressions are 'LD>6', '260-280/MW', and '10 < LD < 30'. For a list of field codes in the current file, enter "HELP SFIELDS" at an arrow prompt (=>). For more information on searching in numeric fields, enter "HELP NUMERIC".

=> s 19<2002

NUMERIC EXPRESSION NOT VALID 'L225<2002'

Numeric search expressions contain an operator (=,>,<,<=>), a field qualifier, and the number or a range to be searched. Examples of valid expressions are 'LD>6', '260-280/MW', and '10 < LD < 30'. For a list of field codes in the current file, enter "HELP SFIELDS" at an arrow prompt (=>). For more information on searching in numeric fields, enter "HELP NUMERIC".

=> s 19 < 2002

NUMERIC EXPRESSION NOT VALID 'L225 < 2002'

Numeric search expressions contain an operator (=,>,<,<=>), a field qualifier, and the number or a range to be searched. Examples of valid expressions are 'LD>6', '260-280/MW', and '10 < LD < 30'. For a list of field codes in the current file, enter "HELP SFIELDS" at an arrow prompt (=>). For more information on searching in numeric fields, enter "HELP NUMERIC".

=> d his

(FILE 'HOME' ENTERED AT 14:26:41 ON 28 SEP 2008)

FILE 'REGISTRY' ENTERED AT 14:27:22 ON 28 SEP 2008

L1 46 S ?CYCLOVIR

FILE 'ADISCTI, ADISINSIGHT, ADISNEWS, BIOSIS, BIOTECHNO, CAPLUS, DDFB, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ESBIODASE, IFIPAT, IMSDRUGNEWS, IMSPRODUCT, IPA, KOSMET, LIFESCI, MEDLINE, NAPRALERT, NLDB, NUTRACEUT, PASCAL, PCTGEN, PHARMAML, ...' ENTERED AT 14:27:35 ON 28 SEP 2008

L2 108103 S L1 OR ?CYCLOVIR

L3 99157 S PSORIASIS/AB

L4 127 S L2 AND L3

L5 5458 S VALACYCLOVIR

L6 5 S L4 AND L5

L7 5 DUP REM L6 (0 DUPLICATES REMOVED)

L8 63066 S ACYCLOVIR

L9 74 S L8 AND L4

=> s 19 and pd<2002

6 FILES SEARCHED...

'2002' NOT A VALID FIELD CODE

'2002' NOT A VALID FIELD CODE

'2002' NOT A VALID FIELD CODE

15 FILES SEARCHED...

10523782

'2002' NOT A VALID FIELD CODE
22 FILES SEARCHED...
'2002' NOT A VALID FIELD CODE
'2002' NOT A VALID FIELD CODE
'2002' NOT A VALID FIELD CODE
30 FILES SEARCHED...
32 FILES SEARCHED...
L10 28 L9 AND PD<2002

=> dup rem
ENTER L# LIST OR (END):110
DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, DGENE, DRUGMONO2,
IMSPRODUCT, KOSMET, NUTRACEUT, PCTGEN, PHARMAML, USGENE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L10
L11 22 DUP REM L10 (6 DUPLICATES REMOVED)

=> d l11 1-22 ibib, kwic

L11 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2008 ACS on STN DUPLICATE 1
ACCESSION NUMBER: 2001:719000 CAPLUS <<LOGINID:20080928>>
DOCUMENT NUMBER: 135:262277
TITLE: Pharmaceutical compositions and methods for managing
skin conditions
INVENTOR(S): Murad, Howard
PATENT ASSIGNEE(S): USA
SOURCE: U.S., 18 pp., Cont.-in-part of U.S. 6,071,541.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|---|-----------------|--------------|
| US 6296880 | B1 | 20011002 | US 2000-549202 | 20000413 <-- |
| US 6071541 | A | 20000606 | US 1999-330127 | 19990611 <-- |
| US 20020041901 | A1 | 20020411 | US 2001-878231 | 20010612 |
| US 6383523 | B2 | 20020507 | | |
| US 20030007939 | A1 | 20030109 | US 2002-77928 | 20020220 |
| US 20020172719 | A1 | 20021121 | US 2002-93443 | 20020311 |
| US 7018660 | B2 | 20060328 | | |
| US 20040091548 | A1 | 20040513 | US 2003-702453 | 20031107 |
| US 20060051429 | A1 | 20060309 | US 2005-249496 | 20051014 |
| PRIORITY APPLN. INFO.: | | | US 1998-94775P | P 19980731 |
| | | | US 1999-330127 | A2 19990611 |
| | | | US 2000-549202 | A1 20000413 |
| | | | US 2001-878231 | A2 20010612 |
| | | | US 2001-953431 | A2 20010917 |
| | | | US 2002-93443 | A1 20020311 |
| REFERENCE COUNT: | 29 | THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT | | |

| PI | US 6296880 B1 | 20011002 | | |
|----|----------------|----------|----------|-----------------|
| | PATENT NO. | KIND | DATE | APPLICATION NO. |
| PI | US 6296880 | B1 | 20011002 | US 2000-549202 |
| | US 6071541 | A | 20000606 | US 1999-330127 |
| | US 20020041901 | A1 | 20020411 | US 2001-878231 |
| | US 6383523 | B2 | 20020507 | |
| | US 20030007939 | A1 | 20030109 | US 2002-77928 |

US 20020172719 A1 20021121 US 2002-93443 20020311
 US 7018660 B2 20060328
 US 20040091548 A1 20040513 US 2003-702453 20031107
 US 20060051429 A1 20060309 US 2005-249496 20051014

AB . . . methods for the cleansing of skin to facilitate the prevention, treatment, and management of skin conditions, such as seborrheic dermatitis, psoriasis, folliculitis, rosacea, perioral dermatitis, acne, impetigo and other inflammatory skin conditions, and the like, including a sufficient amount of an . . .

IT 50-21-5, Lactic acid, biological studies 68-26-8, Retinol 69-72-7, Salicylic acid, biological studies 77-92-9, Citric acid, biological studies 79-14-1, Glycolic acid, biological studies 557-34-6, Zinc acetate 1314-13-2, Zinc oxide, biological studies 3380-34-5, Triclosan 7704-34-9, Sulfur, biological studies 7722-84-1, Hydrogen peroxide, biological studies 23593-75-1, Clotrimazole 39809-25-1, Penciclovir 41621-49-2, Clotrimazole 59277-89-3, Acyclovir 68797-35-3, Dipotassium glycyrrhizate

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (topical compns. for managing skin conditions containing acids and hydrogen peroxide and antivirals and other actives)

L11 ANSWER 2 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2001:100886 USPATFULL <<LOGINID:20080928>>
 TITLE: Anti-inflammatory formulations for inflammatory diseases
 INVENTOR(S): Kross, Robert D., Bellmore, NY, United States
 Siff, Elliott J., Westport, CT, United States
 PATENT ASSIGNEE(S): Alcide Corporation, Redmond, WA, United States (U.S. corporation)

| | NUMBER | KIND | DATE | |
|--|---|------|----------|------------|
| PATENT INFORMATION: | US 37263 | E1 | 20010703 | <-- |
| | US 5384134 | | 19950124 | (Original) |
| APPLICATION INFO.: | US 1997-787144 | | 19970122 | (8) |
| | US 1993-115461 | | 19930901 | (Original) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1992-930088, filed on 14 Aug 1992, now abandoned Division of Ser. No. US 1990-543655, filed on 26 Jun 1990, now abandoned Division of Ser. No. US 1988-202758, filed on 3 Jun 1988, now patented, Pat. No. US 4956184 Continuation-in-part of Ser. No. US 1988-190798, filed on 6 May 1988, now abandoned | | | |
| DOCUMENT TYPE: | Reissue | | | |
| FILE SEGMENT: | GRANTED | | | |
| PRIMARY EXAMINER: | Criares, Theodore J. | | | |
| LEGAL REPRESENTATIVE: | Seed and Berry LLP | | | |
| NUMBER OF CLAIMS: | 10 | | | |
| EXEMPLARY CLAIM: | 1 | | | |
| NUMBER OF DRAWINGS: | 4 Drawing Figure(s); 4 Drawing Page(s) | | | |
| LINE COUNT: | 767 | | | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | | | |

AB There is disclosed a method for treating dermatologic diseases caused by microbial overgrowth or inflammation, such as psoriasis, fungal infections, eczema, dandruff, acne, genital herpes lesions, and leg ulcers. There is further disclosed an antiviral lubricating composition that. . .

SUMM . . . and secondary attacks become less frequent with time.

Treatments include drying agents to symptomatically lessen the discomfort of the lesion. Acyclovir, applied topically, tends to decrease pain of the primary lesions, but it has not proven very effective for decreasing viral shedding or lesion duration. Topical acyclovir has not been shown to be particularly effective for reducing or treating recurrent disease.

SUMM Acyclovir is a purine nucleoside analog that is selectively cidal to the herpes simplex virus because only the thymidine kinase enzyme of herpes simplex virus can convert acyclovir to its monophosphate form while host cell thymidine kinase cannot. The monophosphate form is converted to an acyclovir triphosphate, which can interfere with vital DNA replication. Topical acyclovir is applied as a 5% ointment every three hours, or up to eight times daily, for at least seven days. . . . patient compliance problems for dosing in the genital areas throughout the day and throughout the night. A further problem of acyclovir has been the development resistant strains of herpes simplex, caused by a mutation of the thymidine kinase gene. Accordingly, no backup treatments are available for acyclovir-resistant herpes simplex infections. This problem exists with most antibiotic microbial treatments, but is generally not a problem non-antibiotic treatments. . . . as re-epithelialization of the original lesions). The results of the study were compared to a similar study conducted with topical acyclovir and placebo (Fiddian et al, J. Antimicrob. Chem. 12:Suppl. B:67-77, 1983) and are presented together in Table 1 below:

| | Symptoms (d) | Shedding Time (d) | Healing Time (d) | Rate (%) | Median Recurrence |
|-------------------|-----------------|----------------------|---------------------|-------------|----------------------|
| Example 1 (32) | 3* | 1** | 8 (1-17) | 19.4 | |
| <u>Acyclovir</u> | 5 | | 3 | 7-8 | 35 |
| Placebo | 8 | | 6-9 | 10-13 | 55 |

*Twenty-one of twenty-four patients had a duration of symptoms of 5 or less. . . .

DETD twice daily dosing (compared with 5 times daily with some treatments such as Acyclovir)

L11 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2008 ACS ON STN DUPLICATE 2
 ACCESSION NUMBER: 1997:527765 CAPLUS <<LOGINID:20080928>>
 DOCUMENT NUMBER: 127:185859
 ORIGINAL REFERENCE NO.: 127:35885a,35888a
 TITLE: Nucleotides for topical treatment of psoriasis
 INVENTOR(S): Hostetler, Karl Y.
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S., 15 pp., Cont.-in-part of U.S. 5,580,571.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 5
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|----------|-----------------|--------------|
| US 5654286 | A | 19970805 | US 1995-485025 | 19950607 <-- |
| US 5580571 | A | 19961203 | US 1993-60258 | 19930512 <-- |
| CA 2222224 | A1 | 19961219 | CA 1996-222224 | 19960606 <-- |
| WO 9640166 | A1 | 19961219 | WO 1996-US10084 | 19960606 <-- |

W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD,

SE, SG
 RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,
 IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GH
 AU 9662737 A 19961230 AU 1996-62737 19960606 <--
 EP 831855 A1 19980401 EP 1996-921531 19960606 <--
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI
 CN 1220605 A 19990623 CN 1996-195944 19960606 <--
 JP 2002515018 T 20020521 JP 1997-502193 19960606
 PRIORITY APPLN. INFO.: US 1993-60258 A2 19930512
 US 1991-777683 B2 19911015
 US 1995-485025 A 19950607
 WO 1996-US10084 W 19960606

OTHER SOURCE(S): MARPAT 127:185859

PI US 5654286 A 19970805
 PATENT NO. KIND DATE APPLICATION NO. DATE

 PI US 5654286 A 19970805 US 1995-485025 19950607 <--
 US 5580571 A 19961203 US 1993-60258 19930512 <--
 CA 2222224 A1 19961219 CA 1996-222224 19960606 <--
 WO 9640166 A1 19961219 WO 1996-US10084 19960606 <--
 W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE,
 ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS,
 LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD,
 SE, SG
 RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,
 IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GH
 AU 9662737 A 19961230 AU 1996-62737 19960606 <--
 EP 831855 A1 19980401 EP 1996-921531 19960606 <--
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI
 CN 1220605 A 19990623 CN 1996-195944 19960606 <--
 JP 2002515018 T 20020521 JP 1997-502193 19960606
 AB Psoriasis and other diseases of skin cell hyperproliferation are
 treated with topical pharmaceutical comps. containing mono-, di-, and
 triphosphate esters of .
 IT 134-46-3, 5-Fluorodeoxyuridine monophosphate 796-66-7, 5-Fluorouridine
 monophosphate 803-98-5, 5-Fluorouridine diphosphate 1049-56-5
 2018-19-1, 6-Azauridine monophosphate 2710-64-7, 5-Fluorodeoxyuridine
 triphosphate 3828-96-4, 5-Fluorouridine triphosphate 6198-30-7
 66004-77-1, 2',3'-Dideoxycytidine 5'-triphosphate 66341-18-2,
Acyclovir triphosphate 70711-50-1 104086-75-1 104086-76-2
 104959-32-2 106867-30-5 134646-41-6 134646-42-7 167620-89-5
 180297-84-1 186553-15-1
 RI: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
 (Uses)
 (nucleotides for topical treatment of psoriasis)

L11 ANSWER 4 OF 22 USPATFULL on STN
 ACCESSION NUMBER: 97:96851 USPATFULL <<LOGINID:20080928>>
 TITLE: Method of treating lesions resulting from genital
 herpes with hyaluronic acid-urea pharmaceutical
 compositions
 INVENTOR(S): Gallina, Damian J., Erie, PA, United States
 PATENT ASSIGNEE(S): Patent Biopharmaceutics, Inc., Erie, PA, United States
 (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 5679655 19971021 <--
 APPLICATION INFO.: US 1995-471323 19950602 (8)
 RELATED APPLN. INFO.: Division of Ser. No. US 1993-101826, filed on 4 Aug 1993
 DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Lilling, Herbert J.
 LEGAL REPRESENTATIVE: Cushman Darby & Cushman
 NUMBER OF CLAIMS: 8
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 6 Drawing Figure(s); 6 Drawing Page(s)
 LINE COUNT: 1447
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB . . . erythema, edema, papules, vesicles, macules, pustules, scaling, cracking, crusting, and lesions. The invention further includes methods for the treatment of psoriasis, eczema, dermatitis, herpetic conditions, acne, skin ulcers, genital herpes lesions and anorectal disease, which includes applying to tissues in need.
 DETD . . . routinely in a dermatologic office setting. Normally, these conditions have been treated with various topical medications including topical corticosteroids, topical acyclovir and sometimes internal medications such as oral corticosteroids. Patients also tend to treat skin lesions with many over-the-counter medications such. . .

L11 ANSWER 5 OF 22 USPATFULL on STN
 ACCESSION NUMBER: 97:42867 USPATFULL <<LOGINID:20080928>>
 TITLE: Hyaluronic acid-urea pharmaceutical compositions utilized for treatment of diseases of cutis
 INVENTOR(S): Gallina, Damian J., Erie, PA, United States
 PATENT ASSIGNEE(S): Patent Biopharmaceutics, Inc., Erie, PA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5631242 | | 19970520 <-- |
| APPLICATION INFO.: | US 1995-471334 | | 19950602 (8) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1993-101826, filed on 4 Aug 1993 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Lilling, Herbert J. | | |
| LEGAL REPRESENTATIVE: | Cushman Darby & Cushman | | |
| NUMBER OF CLAIMS: | 8 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 6 Drawing Figure(s); 6 Drawing Page(s) | | |
| LINE COUNT: | 1451 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB . . . erythema, edema, papules, vesicles, macules, pustules, scaling, cracking, crusting, and lesions. The invention further includes methods for the treatment of psoriasis, eczema, dermatitis, herpetic conditions, acne, skin ulcers, genital herpes lesions and anorectal disease, which includes applying to tissues in need. . .
 DETD . . . routinely in a dermatologic office setting. Normally, these conditions have been treated with various topical medications including topical corticosteroids, topical acyclovir and sometimes internal medications such as oral corticosteroids. Patients also tend to treat skin lesions with many over-the-counter medications such. . .

L11 ANSWER 6 OF 22 USPATFULL on STN
 ACCESSION NUMBER: 97:36175 USPATFULL <<LOGINID:20080928>>
 TITLE: Hyaluronic acid-urea pharmaceutical compositions and uses
 INVENTOR(S): Gallina, Damian J., Erie, PA, United States
 PATENT ASSIGNEE(S): Patent Biopharmaceutics, Inc., Erie, PA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|--|---|------|--------------|
| PATENT INFORMATION: | US 5624915 | | 19970429 <-- |
| APPLICATION INFO.: | US 1995-471327 | | 19950602 (8) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1993-101826, filed on 4 Aug 1993 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Lilling, Herbert J. | | |
| LEGAL REPRESENTATIVE: | Cushman Darby & Cushman IP Group of Pillsbury Madison & Sutro LLP | | |
| NUMBER OF CLAIMS: | 8 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 6 Drawing Figure(s); 6 Drawing Page(s) | | |
| LINE COUNT: | 1450 | | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | | |

AB . . . erythema, edema, papules, vesicles, macules, pustules, scaling, cracking, crusting, and lesions. The invention further includes methods for the treatment of psoriasis, eczema, dermatitis, herpetic conditions, acne, skin ulcers, genital herpes lesions and anorectal disease, which includes applying to tissues in need. . .

DETD . . . routinely in a dermatologic office setting. Normally, these conditions have been treated with various topical medications including topical corticosteroids, topical acyclovir and sometimes internal medications such as oral corticosteroids. Patients also tend to treat skin lesions with many over-the-counter medications such. . .

L11 ANSWER 7 OF 22 CAPLUS COPYRIGHT 2008 ACS on STN DUPLICATE 3
 ACCESSION NUMBER: 1997:132780 CAPLUS <<LOGINID:20080928>>
 DOCUMENT NUMBER: 126:139875
 ORIGINAL REFERENCE NO.: 126:26883a,26886a
 TITLE: Nucleotide analogs, their preparation, and pharmaceutical compositions containing them for topical treatment of proliferative disease of the skin
 INVENTOR(S): Hostetler, Karl Y.
 PATENT ASSIGNEE(S): Hostetler, Karl Y., USA
 SOURCE: PCT Int. Appl., 31 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 5
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|--------------|
| WO 9640166 | A1 | 19961219 | WO 1996-US10084 | 19960606 <-- |
| W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG | | | | |
| RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, | | | | |

IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN
 US 5654286 A 19970805 US 1995-485025 19950607 <--
 AU 9662737 A 19961230 AU 1996-62737 19960606 <--
 EP 831855 A1 19980401 EP 1996-921531 19960606 <--
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI
 JP 2002515018 T 20020521 JP 1997-502193 19960606
 PRIORITY APPLN. INFO.: US 1995-485025 A 19950607
 US 1993-60258 A2 19930512
 WO 1996-US10084 W 19960606

OTHER SOURCE(S): MARPAT 126:139875

PI WO 9640166 A1 19961219
 PATENT NO. KIND DATE APPLICATION NO. DATE

 PI WO 9640166 A1 19961219 WO 1996-US10084 19960606 <--
 W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE,
 ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS,
 LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD,
 SE, SG
 RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,
 IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN
 US 5654286 A 19970805 US 1995-485025 19950607 <--
 AU 9662737 A 19961230 AU 1996-62737 19960606 <--
 EP 831855 A1 19980401 EP 1996-921531 19960606 <--
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI
 JP 2002515018 T 20020521 JP 1997-502193 19960606

AB . . . nucleoside analogs, DNA chain-terminating dideoxynucleoside
 analogs and other nucleoside analogs for the topical treatment of
 hyperproliferative diseases of the skin (psoriasis, atopic
 dermatitis, basal cell carcinoma, etc.). The useful phosphate esters of
 the nucleoside analogs include phosphoramidates and phosphothiorates, as
 well. . . .
 IT 50-91-9DP, 5-Fluorodeoxyuridine, derivs. 54-25-1DP, 6-Azaauridine,
 derivs. 134-46-3P, 5-Fluorodeoxyuridine monophosphate 147-94-4DP,
 Cytosine arabinoside, derivs. 316-46-1DP, 5-Fluorouridine, derivs.
 342-69-8DP, 6-Methylmercaptapurine riboside, derivs. 796-66-7P,
 5-Fluorouridine monophosphate 803-98-5P, 5-Fluorouridine diphosphate
 1049-56-5P 2018-19-1P, 6-Azaauridine monophosphate 2710-64-7P,
 5-Fluorodeoxyuridine triphosphate 3416-05-5DP, derivs. 3828-96-4P,
 5-Fluorouridine triphosphate 4097-22-7DP, Dideoxyadenosine, derivs.
 4291-63-8DP, 2-Chlorodeoxyadenosine, derivs. 6198-30-7P 7481-89-2DP,
 Dideoxycytidine, derivs. 20227-41-2DP, derivs. 38819-10-2DP, derivs.
 40627-14-3DP, derivs. 59277-89-3DP, Acyclovir, derivs.
 60129-59-1DP, 2'-Deoxytubercidin, derivs. 66004-77-1P
 66341-18-2P, Acyclovir triphosphate 69655-05-6DP,
 Dideoxyinosine, derivs. 70711-50-1P 82410-32-ODP, Ganciclovir,
 derivs. 85326-06-3DP, derivs. 104086-75-1P 104086-76-2P
 104904-94-1P 104904-96-3P 104959-32-2P, 2-Chloro-2'-deoxyadenosine
 monophosphate 106867-30-5P 123318-82-1DP, derivs. 134646-41-6P
 134646-42-7P 167620-89-5P 180297-84-1P 186553-12-8P 186553-15-1P
 186553-16-2P 186553-17-3P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (nucleotide analogs, preparation, and pharmaceutical compns. for topical
 treatment of proliferative skin diseases)

L11 ANSWER 8 OF 22 USPATFULL ON STN

ACCESSION NUMBER: 96:113915 USPATFULL <<LOGINID:20080928>>

TITLE: Hyaluronic acid-urea pharmaceutical compositions and uses
 INVENTOR(S): Gallina, Damian J., Erie, PA, United States
 PATENT ASSIGNEE(S): Patent Biopharmaceutics, Inc., Erie, PA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 5583120 | | 19961210 <-- |
| APPLICATION INFO.: | US 1995-471332 | | 19950602 (8) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1993-101826, filed on 4 Aug 1993 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Lilling, Herbert J. | | |
| LEGAL REPRESENTATIVE: | Cushman Darby & Cushman IP Group of Pillsbury Madison & Sutro LLP | | |
| NUMBER OF CLAIMS: | 8 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 6 Drawing Figure(s); 6 Drawing Page(s) | | |
| LINE COUNT: | 1449 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB . . . erythema, edema, papules, vesicles, macules, pustules, scaling, cracking, crusting, and lesions. The invention further includes methods for the treatment of psoriasis, eczema, dermatitis, herpetic conditions, acne, skin ulcers, genital herpes lesions and anorectal disease, which includes applying to tissues in need. . .

DETD . . . routinely in a dermatologic office setting. Normally, these conditions have been treated with various topical medications including topical corticosteroids, topical acyclovir and sometimes internal medications such as oral corticosteroids. Patients also tend to treat skin lesions with many over-the-counter medications such. . .

L11 ANSWER 9 OF 22 USPATFULL on STN
 ACCESSION NUMBER: 96:113914 USPATFULL <<LOGINID::20080928>>
 TITLE: Hyaluronic acid-urea pharmaceutical compositions and uses
 INVENTOR(S): Gallina, Damian J., Erie, PA, United States
 PATENT ASSIGNEE(S): Patent Biopharmaceutics, Inc., Erie, PA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 5583119 | | 19961210 <-- |
| APPLICATION INFO.: | US 1995-471330 | | 19950602 (8) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1993-101826, filed on 4 Aug 1993 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Lilling, Herbert J. | | |
| LEGAL REPRESENTATIVE: | Cushman Darby & Cushman IP Group of Pillsbury Madison & Sutro LLP | | |
| NUMBER OF CLAIMS: | 8 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 6 Drawing Figure(s); 6 Drawing Page(s) | | |
| LINE COUNT: | 1448 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB . . . erythema, edema, papules, vesicles, macules, pustules, scaling,

cracking, crusting, and lesions. The invention further includes methods for the treatment of psoriasis, eczema, dermatitis, herpetic conditions, acne, skin ulcers, genital herpes lesions and anorectal disease, which includes applying to tissues in need. . .

DETD . . . routinely in a dermatologic office setting. Normally, these conditions have been treated with various topical medications including topical corticosteroids, topical acyclovir and sometimes internal medications such as oral corticosteroids. Patients also tend to treat skin lesions with many over-the-counter medications such. . .

L11 ANSWER 10 OF 22 USPATFULL on STN

ACCESSION NUMBER: 96:113913 USPATFULL <<LOGINID::20080928>>
 TITLE: Method of treating an anorectal disease using hyaluronic acid-urea pharmaceutical compositions
 INVENTOR(S): Gallina, Damian J., Erie, PA, United States
 PATENT ASSIGNEE(S): Patent Biopharmaceutics, Inc., Erie, PA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5583118 | | 19961210 <-- |
| APPLICATION INFO.: | US 1995-458303 | | 19950602 (8) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1993-101826, filed on 4 Aug 1993 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Lilling, Herbert J. | | |
| LEGAL REPRESENTATIVE: | Cushman Darby & Cushman | | |
| NUMBER OF CLAIMS: | 8 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 6 Drawing Figure(s); 6 Drawing Page(s) | | |
| LINE COUNT: | 1451 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB . . . erythema, edema, papules, vesicles, macules, pustules, scaling, cracking, crusting, and lesions. The invention further includes methods for the treatment of psoriasis, eczema, dermatitis, herpetic conditions, acne, skin ulcers, genital herpes lesions and anorectal disease, which includes applying to tissues in need. . .

DETD . . . routinely in a dermatologic office setting. Normally, these conditions have been treated with various topical medications including topical corticosteroids, topical acyclovir and sometimes internal medications such as oral corticosteroids. Patients also tend to treat skin lesions with many over-the-counter medications such. . .

L11 ANSWER 11 OF 22 USPATFULL on STN

ACCESSION NUMBER: 96:77765 USPATFULL <<LOGINID::20080928>>
 TITLE: Hyaluronic acid-urea pharmaceutical compositions and uses
 INVENTOR(S): Gallina, Damian J., Erie, PA, United States
 PATENT ASSIGNEE(S): Patent Biopharmaceutics, Inc., Erie, PA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5550112 | | 19960827 <-- |
| APPLICATION INFO.: | US 1993-101826 | | 19930804 (8) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1992-966938, filed on 30 Dec 1992, now abandoned | | |
| DOCUMENT TYPE: | Utility | | |

FILE SEGMENT: Granted
 PRIMARY EXAMINER: Lilling, Herbert J.
 LEGAL REPRESENTATIVE: Cushman Darby & Cushman
 NUMBER OF CLAIMS: 7
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 6 Drawing Figure(s); 6 Drawing Page(s)
 LINE COUNT: 1427
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB . . . erythema, edema, papules, vesicles, macules, pustules, scaling, cracking, crusting, and lesions. The invention further includes methods for the treatment of psoriasis, eczema, dermatitis, herpetic conditions and acne, which includes applying to tissues in need of such treatment a therapeutically effective amount. . . .

DETD . . . routinely in a dermatologic office setting. Normally, these conditions have been treated with various topical medications including topical corticosteroids, topical acyclovir and sometimes internal medications such as oral corticosteroids. Patients also tend to treat skin lesions with many over-the-counter medications such. . . .

L11 ANSWER 12 OF 22 USPTFULL on STN
 ACCESSION NUMBER: 96:55744 USPTFULL <<LOGINID::20080928>>
 TITLE: Hyaluronic acid-urea pharmaceutical compositions and uses
 INVENTOR(S): Gallina, Damian J., Erie, PA, United States
 PATENT ASSIGNEE(S): Patent Biopharmaceutics, Inc., Erie, PA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5529987 | | 19960625 <-- |
| APPLICATION INFO.: | US 1995-471331 | | 19950602 (8) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1993-101826, filed on 4 Aug 1993 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Lilling, Herbert J. | | |
| LEGAL REPRESENTATIVE: | Cushman Darby & Cushman | | |
| NUMBER OF CLAIMS: | 8 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 6 Drawing Figure(s); 6 Drawing Page(s) | | |
| LINE COUNT: | 1427 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB . . . erythema, edema, papules, vesicles, macules, pustules, scaling, cracking, crusting, and lesions. The invention further includes methods for the treatment of psoriasis, eczema, dermatitis, herpetic conditions, acne, skin ulcers, genital herpes lesions and anorectal disease, which includes applying to tissues in need. . . .

DETD . . . routinely in a dermatologic office setting. Normally, these conditions have been treated with various topical medications including topical corticosteroids, topical acyclovir and sometimes internal medications such as oral corticosteroids. Patients also tend to treat skin lesions with many over-the-counter medications such. . . .

L11 ANSWER 13 OF 22 EMBASE COPYRIGHT (c) 2008 Elsevier B.V. All rights reserved on STN
 ACCESSION NUMBER: 1996358293 EMBASE <<LOGINID::20080928>>
 TITLE: Herpes Zoster with unusual clinical course.
 AUTHOR: Mazzotta, F., Dr. (correspondence); Troccoli, T.; Garofalo,

L.; Bonifazi, E.
 CORPORATE SOURCE: Clinica Dermatologica, Policlinico, University of Bari,
 Piazza G. Cesare 11, 70124 Bari, Italy.
 SOURCE: European Journal of Pediatric Dermatology, (1996)
 Vol. 6, No. 1, pp. 25-30.
 ISSN: 1122-7672 CODEN: EPDDE9
 COUNTRY: Italy
 DOCUMENT TYPE: Journal; Article
 FILE SEGMENT: 013 Dermatology and Venereology
 037 Drug Literature Index
 004 Microbiology: Bacteriology, Mycology, Parasitology
 and Virology
 LANGUAGE: English
 SUMMARY LANGUAGE: English
 ENTRY DATE: Entered STN: 9 Jan 1997
 Last Updated on STN: 9 Jan 1997
 SO European Journal of Pediatric Dermatology, (1996) Vol. 6, No. 1,
 pp. 25-30.
 ISSN: 1122-7672 CODEN: EPDDE9
 AB . . . associated with moderate pain of the scapular-humeral joint.
 These symptoms and signs led to diagnose herpes zoster and to prescribe
Acyclovir per mouth. One month later, the patient came back
 reporting a flare up of the lesions seven days after their. . . to the
 diagnosis, due to the occurrence of some psoriatic scales. A
 capillaroscopic study confirmed the diagnosis of eruptive zoster-like
psoriasis suggesting a Koebner phenomenon induced by herpes
 zoster.
 RN (aciclovir) 59277-89-3; (salicylic acid) 63-36-5, 69-72-7

L11 ANSWER 14 OF 22 USPATFULL ON STN
 ACCESSION NUMBER: 95:7699 USPATFULL <LOGINID:20080928>
 TITLE: Anti-inflammatory formulations for inflammatory
 diseases
 INVENTOR(S): Kross, Robert D., Bellmore, NY, United States
 Siff, Elliott J., Westport, CT, United States
 PATENT ASSIGNEE(S): Alcide Corporation, Norwalk, CT, United States (U.S.
 corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5384134 | | 19950124 <-- |
| APPLICATION INFO.: | US 1993-115461 | | 19930901 (8) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1992-930088, filed on 14 Aug 1992, now abandoned which is a division of Ser. No. US 1990-543655, filed on 26 Jun 1990, now abandoned which is a division of Ser. No. US 1988-202758, filed on 3 Jun 1988, now patented, Pat. No. US 4956184 which is a continuation-in-part of Ser. No. US 1988-190798, filed on 6 May 1988, now abandoned | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Cintins, Marianne M. | | |
| ASSISTANT EXAMINER: | Criares, T. J. | | |
| LEGAL REPRESENTATIVE: | Seed and Berry | | |
| NUMBER OF CLAIMS: | 7 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 4 Drawing Figure(s); 4 Drawing Page(s) | | |
| LINE COUNT: | 764 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB There is disclosed a method for treating dermatologic diseases caused by microbial overgrowth or inflammation, such as psoriasis, fungal infections, eczema, dandruff, acne, genital herpes lesions, and leg ulcers. There is further disclosed an antiviral lubricating composition that. . .

SUMM . . . and secondary attacks become less frequent with time. Treatments include drying agents to symptomatically lessen the discomfort of the lesion. Acyclovir, applied topically, tends to decrease pain of the primary lesions, but it has not proven very effective for decreasing viral shedding or lesion duration. Topical acyclovir has not been shown to be particularly effective for reducing or treating recurrent disease.

SUMM Acyclovir is a purine nucleoside analog that is selectively cidal to the herpes simplex virus because only the thymidine kinase enzyme of herpes simplex virus can convert acyclovir to its monophosphate form while host cell thymidine kinase cannot. The monophosphate form is converted to an acyclovir triphosphate, which can interfere with viral DNA replication. Topical acyclovir is applied as a 5% ointment every three hours, or up to eight times daily, for at least seven days. . . . patient compliance problems for dosing in the genital areas throughout the day and throughout the night. A further problem of acyclovir has been the development resistant strains of herpes simplex, caused by a mutation of the thymidine kinase gene. Accordingly, no backup treatments are available for acyclovir-resistant herpes simplex infections. This problem exists with most antibiotic microbial treatments, but is generally not a problem non-antibiotic treatments. . . . as re-epithelialization of the original lesions). The results of the study were compared to a similar study conducted with topical acyclovir and placebo (Fiddian et al, J. Antimicrob. Chem. 12:Suppl. B:67-77, 1983) and are presented together in Table 1 below:

DETD . . . Duration of
Viral Median Recurrence
Symptoms
Shedding Healing Rate
(d) Time (d) Time (d) %

| | | | | |
|------------------|-----|----------|-------|------|
| Example 1 | | | | |
| 3* | 1** | 8 (1-17) | | 19.4 |
| (32) | | | | |
| <u>Acyclovir</u> | | | | |
| 5 | 3 | 7-8 | 35 | |
| Placebo | 8 | 6-9 | 10-13 | 55 |

*Twenty-one of twentyfour patients had a duration of symptoms of 5 or. . .
DETD twice daily dosing (compared with 5 times daily with some treatments such as Acyclovir)

L11 ANSWER 15 OF 22 MEDLINE on STN
ACCESSION NUMBER: 1995332542 MEDLINE <<LOGINID:20080928>>
DOCUMENT NUMBER: PubMed ID: 7541811
TITLE: Primary Sjogren's syndrome and psoriasis vulgaris in a case of OKT4 epitope deficiency.
AUTHOR: Tanaka H; Mizutani H; Okada H; Shimizu M
CORPORATE SOURCE: Department of Dermatology, Mie University Faculty of Medicine, Tsu, Japan.
SOURCE: The Journal of dermatology, (1995 Apr) Vol. 22, No. 4, pp. 262-6.
Journal code: 7600545. ISSN: 0385-2407.

PUB. COUNTRY: Japan
 DOCUMENT TYPE: (CASE REPORTS)
 Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199508
 ENTRY DATE: Entered STN: 28 Aug 1995
 Last Updated on STN: 29 Jan 1996
 Entered Medline: 17 Aug 1995

SO The Journal of dermatology, (1995 Apr) Vol. 22, No. 4, pp. 262-6.

Journal code: 7600545. ISSN: 0385-2407.

AB We report a 29-year-old female OKT4 epitope deficiency patient with primary Sjogren's syndrome and psoriasis vulgaris. Immunological investigations during the prolonged clinical course of her herpes zoster revealed that she has OKT4 epitope deficiency and primary Sjogren's syndrome. She had been treated for psoriasis vulgaris for 17 years without systemic immunosuppressive therapy. Flow cytometric study revealed that her OKT4 deficiency is heterogeneous and excluded interference with the OKT4 epitope by anti OKT4 autoantibodies. The rare coexistence of primary Sjogren's syndrome and psoriasis implicates an immune disturbance due to an unusual phenotype of CD4.

CT Check Tags: Female

Acyclovir: TU, therapeutic use

Adult

*Antigens, CD4: IM, immunology

Biopsy

*Epitopes: IM, immunology

Flow Cytometry

Herpes Zoster: CO, complications

Herpes. . .

RN 59277-89-3 (Acyclovir)

L11 ANSWER 16 OF 22 MEDLINE on STN

ACCESSION NUMBER: 1994267277 MEDLINE <<LOGINID::20080928>>

DOCUMENT NUMBER: PubMed ID: 8207272

TITLE: AIDS and the gateway of the body.

AUTHOR: Bandyopadhyay P; Bhowal R N; Sikdar S N; Roy A K; Roy J G;

Bandyopadhyay D; Pal N C; Chatterjee B D

CORPORATE SOURCE: Department of Dental Surgery, Medical College, Calcutta.

SOURCE: Journal of the Indian Medical Association, (1994 Jan) Vol. 92, No. 1, pp. 17-9.

Journal code: 7505608. ISSN: 0019-5847.

Report No.: PIP-099042; POP-00233840.

PUB. COUNTRY: India

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals; Population; AIDS

ENTRY MONTH: 199407

ENTRY DATE: Entered STN: 21 Jul 1994

Last Updated on STN: 1 Nov 2002

Entered Medline: 8 Jul 1994

SO Journal of the Indian Medical Association, (1994 Jan) Vol. 92, No. 1, pp. 17-9.

Journal code: 7505608. ISSN: 0019-5847.

Report No.: PIP-099042; POP-00233840.

AB . . . lesions in HIV-infected persons are larger and more numerous than those in children. Various cutaneous or noncutaneous noninfective conditions (e.g., psoriasis and vasculitis) are also more common in HIV-infected persons. Possible agents to control candidiasis are

fluconazole and chlorhexidine oral rinse. Topical or systemic corticosteroids may control aphthous-like ulcers. The drug acyclovir may control herpes virus and other viral infections. If acyclovir is ineffective, desciclovir, ganciclovir, or foscarnet are possible alternatives. Papilloma virus lesions can be treated with cryosurgery, laser therapy, or. . .

L11 ANSWER 17 OF 22 EMBASE COPYRIGHT (c) 2008 Elsevier B.V. All rights reserved on STN

ACCESSION NUMBER: 1994014424 EMBASE <<LOGINID::20080928>>
 TITLE: Liposomes: A promising future for dermatocosmetology and clinical dermatology.
 AUTHOR: Raskovic, D. (correspondence); Piazza, P.
 CORPORATE SOURCE: Istit. Dermatologico dell'Immacolata, IRCCS, Via Monti di Creta 104, 00167 Rome, Italy.
 SOURCE: Journal of Liposome Research, (1993) Vol. 3, No. 3, pp. 737-751.
 ISSN: 0898-2104 CODEN: JLREE7
 COUNTRY: United States
 DOCUMENT TYPE: Journal; Conference Article; (Conference paper)
 FILE SEGMENT: 013 Dermatology and Venereology
 029 Clinical and Experimental Biochemistry
 037 Drug Literature Index
 LANGUAGE: English
 SUMMARY LANGUAGE: English
 ENTRY DATE: Entered STN: 30 Jan 1994
 Last Updated on STN: 30 Jan 1994

SO Journal of Liposome Research, (1993) Vol. 3, No. 3, pp. 737-751.
 ISSN: 0898-2104 CODEN: JLREE7

AB . . . capillary alterations. Liposomes have proven to be very useful for the therapy of certain dermatoses, such as atopic dermatoses or psoriasis. The advantage of incorporating a pharmaceutical substance (antibiotic, cortisone, immunomodulator, antimycotic, antiviral) can be observed in more effective and shorter therapy together with a decrease of side effects both local and linked to the systemic assimilation. Studies with acyclovir, interferon and topic steroids (triamcinolone and hydrocortisone) have been carried out experimentally. It is certain that a substance will have. . .

L11 ANSWER 18 OF 22 EMBASE COPYRIGHT (c) 2008 Elsevier B.V. All rights reserved on STN DUPLICATE 4

ACCESSION NUMBER: 1993103284 EMBASE <<LOGINID::20080928>>
 TITLE: New drugs in pediatric dermatology.
 AUTHOR: Davis, A.; Krafchik, B.R. (correspondence)
 CORPORATE SOURCE: 600 Sherbourne Street, Toronto, Ont. M4X 1W4, Canada.
 SOURCE: Current Opinion in Pediatrics, (1993) Vol. 5, No. 2, pp. 212-215.
 ISSN: 1040-8703 CODEN: COPEE9
 COUNTRY: United States
 DOCUMENT TYPE: Journal; General Review; (Review)
 FILE SEGMENT: 013 Dermatology and Venereology
 037 Drug Literature Index
 038 Adverse Reactions Titles
 007 Pediatrics and Pediatric Surgery
 LANGUAGE: English
 SUMMARY LANGUAGE: English
 ENTRY DATE: Entered STN: 16 May 1993
 Last Updated on STN: 16 May 1993
 SO Current Opinion in Pediatrics, (1993) Vol. 5, No. 2, pp. 212-215.

ISSN: 1040-8703 CODEN: COPEE9

AB . . . infectious and inflammatory skin diseases. Five of these drugs, calcipotriol, EMLA (eutectic mixture of local anesthetics), interferon- α 2a, cyclosporine, and acyclovir, are reviewed. Calcipotriol, a vitamin D analogue, has been shown to be useful but not curative in chronic stable plaque psoriasis in adults. Its use in children is being studied. EMLA is proving to be useful in the prevention of pain. . . of vascular lesions. Cyclosporine is a powerful immunomodulating agent. It has been used in the treatment of atopic dermatitis and psoriasis. Adverse effects limit its widespread use as a systemic agent. Topical cyclosporine has limited efficacy due to its poor penetration. Acyclovir has revolutionized the treatment of herpes simplex virus infections, particularly in reducing the morbidity and mortality of neonatal herpes. Whether. . .

RN (aciclovir) 59277-89-3; (alpha2a interferon) 76543-88-9; (calcipotriol) 112828-00-9, 112965-21-6; (cyclosporin) 79217-60-0; (EMLA) 101362-25-8

L11 ANSWER 19 OF 22 EMBASE COPYRIGHT (c) 2008 Elsevier B.V. All rights reserved on STN

ACCESSION NUMBER: 1992176613 EMBASE <<LOGINID:20080928>>
 TITLE: Results of treatment of genital herpes with acyclovir produced by Polfa Pharmaceutical Factory in Stargard.
 AUTHOR: Wojas, K. (correspondence); Szmackinska, E.; Pieprzny, H.; Pilat, I.; Antonowicz, A.
 CORPORATE SOURCE: Wojewodzki Oddzial Dermatologiczny, ul. Staszica 4A, 37-450 Stalowa Wola, Poland.
 SOURCE: Przegląd Dermatologiczny, (1992) Vol. 79, No. 1-2, pp. 65-69.
 ISSN: 0033-2526 CODEN: PRDEA7
 COUNTRY: Poland
 DOCUMENT TYPE: Journal; Article
 FILE SEGMENT: 013 Dermatology and Venereology
 037 Drug Literature Index
 LANGUAGE: Polish
 SUMMARY LANGUAGE: English; Polish
 ENTRY DATE: Entered STN: 5 Jul 1992
 Last Updated on STN: 5 Jul 1992

TI Results of treatment of genital herpes with acyclovir produced by Polfa Pharmaceutical Factory in Stargard.
 SO Przegląd Dermatologiczny, (1992) Vol. 79, No. 1-2, pp. 65-69.
 ISSN: 0033-2526 CODEN: PRDEA7
 AB . . . patients underwent PUVA treatment and other 30 patients SUP treatment, with external assist therapy. As for the clinical forms of psoriasis patients with common psoriasis were the most numerous group. During PUVA therapy patients were irradiated 3-4 times a week with average number of exposures. . . early complications in both methods were observed in 4 patients (6.7%). Both methods are valuable completion of classical treatment of psoriasis. The differences between the results of the treatments were very small.

L11 ANSWER 20 OF 22 DISSABS COPYRIGHT (C) 2008 ProQuest Information and Learning Company; All Rights Reserved on STN

ACCESSION NUMBER: 91:20834 DISSABS Order Number: AAR9201964
 TITLE: TRANSDERMAL TRANSPORT AND INTRADERMAL DRUG TARGETING USING NOVEL CHEMICAL DELIVERY SYSTEMS
 AUTHOR: CHIKHALE, PRASHANT JAYANT [PH.D.]; BODOR, NICHOLAS S. [advisor]

CORPORATE SOURCE: UNIVERSITY OF FLORIDA (0070)
 SOURCE: Dissertation Abstracts International, (1991) Vol.
 52, No. 8B, p. 4209. Order No.: AAR9201964. 161 pages.
 DOCUMENT TYPE: Dissertation
 FILE SEGMENT: DAI
 LANGUAGE: English
 ENTRY DATE: Entered STN: 19921118
 Last Updated on STN: 19921118

SO Dissertation Abstracts International, (1991) Vol. 52, No. 8B, p.
 4209. Order No.: AAR9201964. 161 pages.

AB This dissertation examines the feasibility of targeting and
 localizing important antiviral agents (like acyclovir) and
 anticancer agents (like 5-fluorouracil) specifically to the skin using
 novel redox-based chemical targeting systems. Such approaches should lead
 to improvement in the effectiveness of topically administered
acyclovir in treating recurrent mucocutaneous herpes simplex virus
 infection of type I. Similarly, the basal cell skin carcinomas or
psoriasis can be effectively treated if 5-fluorouracil could be
 targeted to the intra-dermal region.

Chemical Delivery Systems (CDS) for acyclovir based on
 oxidation (the 1,4-dihydrotrigonelline moiety containing ester; A-CDS) or
 reduction (the lipoic acid ester; A-LipS\sb2S) in the skin were utilized
 to enhance the skin-partitioning ability of acyclovir and use
 the enzymatic activity of the skin to create metabolic chemical precursors
 as reservoirs for the release of acyclovir in the skin.

Thus, the dermal delivery of acyclovir was improved by
 9-fold (p < 0.025) using A-CDS, and by 37-fold (p < 0.001) using
 A-LipS\sb2S, at 6 hours relative to undervatized acyclovir,
 when administered to the hairless-mouse skin, in vitro. The lipolyl ester
 of 5-fluorouracil (5-FU-LipS\sb2S) also managed to deliver greater
 5-fluorouracil. . .

L11 ANSWER 21 OF 22 USPATFULL ON STN

ANSWER NUMBER: 90:71577 USPATFULL <<LOGINID:20080928>>
 TITLE: Topical treatment of genital herpes lesions
 INVENTOR(S): Kross, Robert D., Bellmore, NY, United States
 PATENT ASSIGNEE(S): Alcide Corporation, Norwalk, CT, United States (U.S.
 corporation)

| | NUMBER | KIND | DATE | |
|--|--|------|----------|-----|
| PATENT INFORMATION: | US 4956184 | | 19900911 | <-- |
| APPLICATION INFO.: | US 1988-202758 | | 19880603 | (7) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1988-190798, filed on 6 May 1988, now abandoned | | | |
| DOCUMENT TYPE: | Utility | | | |
| FILE SEGMENT: | Granted | | | |
| PRIMARY EXAMINER: | Friedman, Stanley J. | | | |
| LEGAL REPRESENTATIVE: | Seed and Berry | | | |
| NUMBER OF CLAIMS: | 5 | | | |
| EXEMPLARY CLAIM: | 1 | | | |
| NUMBER OF DRAWINGS: | 4 Drawing Figure(s); 2 Drawing Page(s) | | | |
| LINE COUNT: | 715 | | | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | | | |

AB There is disclosed a method for treating dermatologic diseases caused by
 microbial overgrowth or inflammation, such as psoriasis,
 fungal infections, eczema, dandruff, acne, genital herpes lesions, and
 leg ulcers. There is further disclosed an antiviral lubricating
 composition that. . .

SUMM . . . and secondary attacks become less frequent with time. Treatments include drying agents to symptomatically lessen the discomfort of the lesion. Acyclovir, applied topically, tends to decrease pain of the primary lesions, but it has not proven very effective for decreasing viral shedding or lesion duration. Topical acyclovir has not been shown to be particularly effective for reducing or treating recurrent disease.

SUMM Acyclovir is a purine nucleoside analog that is selectively cidal to the herpes simplex virus because only the thymidine kinase enzyme of herpes simplex virus can convert acyclovir to its monophosphate form while host cell thymidine kinase cannot. The monophosphate form is converted to an acyclovir triphosphate, which can interfere with viral DNA replication. Topical acycovir is applied as a 5% ointment every three hours, or. . . patient compliance problems for dosing in the genital areas throughout the day and throughout the night. A further problem of acyclovir has been the development of resistant strains of herpes simplex, caused by a mutation of the thymidine kinase gene. Accordingly, no backup treatments are available for acyclovir-resistant herpes simplex infections. This problem exists with most antibiotic antimicrobial treatments, but is generally not a problem for non-antibiotic treatments.

DETD . . . as re-epithelialization of the original lesions). The results of the study were compared to a similar study conducted with topical acyclovir and placebo (Fiddian et al., J. Antimicrob. Chem. 12:Suppl. B:67-77, 1983) and are presented together in Table 1 below:

DETD . . . Duration of

| | Viral Symptoms | Median Shedding Time (d) | Recurrence Healing Time (d) | Rate % | |
|-----------|------------------|--------------------------|-----------------------------|--------|----|
| Example 1 | 3* | 1** | 8 (1-17) | 19.4 | |
| (32) | <u>Acyclovir</u> | 5 | 3 | 7-8 | 35 |
| Placebo | 8 | 6-9 | 10-13 | 55 | |

*Twenty-one of twentyfour patients had a duration of symptoms of 5 or. . .
 DETD twice daily dosing (compared with 5 times daily with some treatments such as Acyclovir)

L11 ANSWER 22 OF 22 EMBASE COPYRIGHT (c) 2008 Elsevier B.V. All rights reserved on STN

ACCESSION NUMBER: 1990140613 EMBASE <<LOGINID:20080928>>
 TITLE: Common cutaneous disorders in athletes.
 AUTHOR: Conklin, R.J.
 CORPORATE SOURCE: Department of Dermatology, University of British Columbia, Vancouver, BC, Canada.
 SOURCE: Sports Medicine, (1990) Vol. 9, No. 2, pp. 100-119.
 ISSN: 0112-1642 CODEN: SPMEE7
 COUNTRY: New Zealand
 DOCUMENT TYPE: Journal; General Review; (Review)
 FILE SEGMENT: 013 Dermatology and Venereology
 035 Occupational Health and Industrial Medicine
 LANGUAGE: English
 SUMMARY LANGUAGE: English

10523782

ENTRY DATE: Entered STN: 13 Dec 1991
Last Updated on STN: 13 Dec 1991
SO Sports Medicine, (1990) Vol. 9, No. 2, pp. 100-119.
ISSN: 0112-1642 CODEN: SPME7

AB . . . be treated with any drying agents (e.g. alcohol) as they are as effective as more expensive topical agents such as acyclovir. Molluscum contagiosum may be spread by close contact or water contact and is treated by superficial incision, cryotherapy or standard. . . normal foot function and minimal surgical procedures. Paronychia is treated best by wedge resection. Sweat and friction may aggravate pre-existing psoriasis, acne, atopic dermatitis and allergic contact dermatitis. Allergic contact dermatitis may be caused by dyes, rubber chemicals or glues associated. . .

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

| | | |
|--|------------|---------|
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 136.43 | 142.25 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | -3.20 | -3.20 |

STN INTERNATIONAL LOGOFF AT 14:36:51 ON 28 SEP 2008